

CoreFocus
Report
No.145

LC

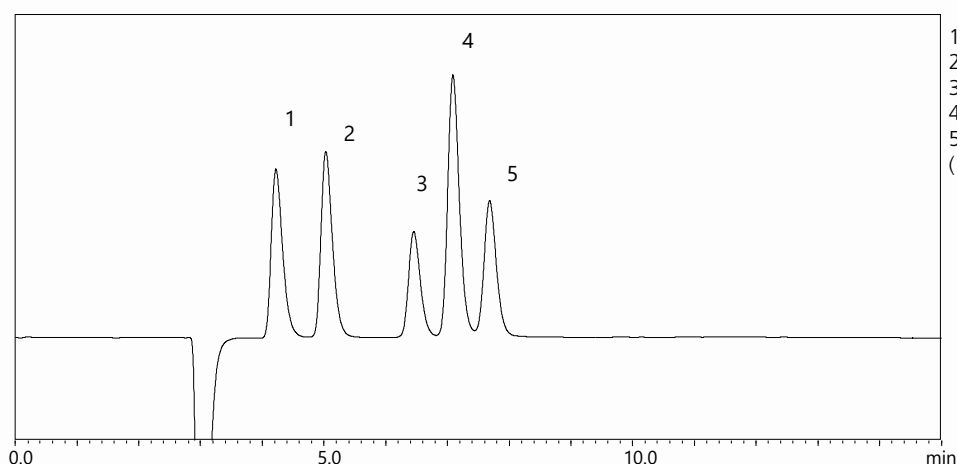
Ion-exclusion

Shim-pack Series

Shim-pack™ Fast-OA

Analysis of Organic Acids

Keywords: organic acid



1. Citric acid
2. Malic acid
3. Lactic acid
4. Formic acid
5. Acetic acid (100 mg/L each)

| | |
|-----------------------------|---|
| System | : Nexera™ |
| Column | : Shim-pack Fast-OA (100 mm L × 7.8 mm I.D., 5 μm), P/N : 228-59942-41 (two used) |
| Guard column | : Shim-pack™ Fast-OA (G) (10 mm L × 4.0 mm I.D., 12 μm), P/N : 228-59942-42 |
| Mobile phase flowrate | : 0.8 mL/min |
| pH buffer solution flowrate | : 0.8 mL/min |
| Mobile phase | : Aqueous 5.0 mmol/L <i>p</i> -toluenesulfonic acid solution |
| pH buffer solution | : Aqueous mixture of 5.0 mmol/L <i>p</i> -toluenesulfonic acid, 20 mmol/L Bis-Tris, 0.1 mmol/L EDTA 4H |
| Column temperature | : 40 °C |
| Injection volume | : 10 μL |
| Detector | : Electrical conductivity detector |

Source : Application News L548 ([JP](#), [ENG](#))

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